Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**6.11 Intersecting Chords**

Part I: Geogebra Discovery

Copy down the segments, segment lengths and intersections points for two different circles. You can change the segments by dragging the end points.

For each circle, multiply the lengths of segments EG and FG, then multiply the lengths of segments DG and CG. What do you notice? Show your work and answer the question below.



For the following problems, show your work at the bottom of the page.







